=> d his

(FILE 'HOME' ENTERED AT 11:56:50 ON 18 MAY 2005)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 11:57:08 ON 18 MAY 2005
         SEA TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? O
         _____

         0* FILE FEDRIP
         6 FILE GENBANK
      1277 FILE USPATFULL
        91 FILE USPAT2
L1   QUE TATAAC? AND (GLUTAMA?(S) DEHYDROGENAS? OR CITRAT?(S) SYNTH?
         _____

    FILE 'GENBANK' ENTERED AT 12:02:33 ON 18 MAY 2005
L2   6 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L3   6 DUP REM L2 (0 DUPLICATES REMOVED)

    FILE 'USPATFULL' ENTERED AT 12:06:50 ON 18 MAY 2005
L4   1277 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L5   280 S L4 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICU?)
L6   280 DUP REM L5 (0 DUPLICATES REMOVED)
L7   280 S L6
L8   280 S L6
L9   255 S L6 AND GLUTAMI?(S)ACID?
L10   255 DUP REM L9 (0 DUPLICATES REMOVED)

    FILE 'USPAT2' ENTERED AT 12:21:30 ON 18 MAY 2005
L11   91 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L12   17 S L1 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICU?)
L13   17 DUP REM L12 (0 DUPLICATES REMOVED)

Connecting via Winsock to STN

Welcome to STN International!   Enter x:x

LOGINID:sssptal652dmr

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
                 (ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
                 data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
                 fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online
NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs),
                 based on application date in CA/CAplus and USPATFULL/USPAT2
                 may be affected by a change in filing date for U.S.
                 applications.
NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for
                 U.S. patent records in CA/CAplus

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
NEWS WWW   CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:31:43 ON 18 MAY 2005

```
=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY        SESSION
FULL ESTIMATED COST                                       0.84          0.84

FILE 'REGISTRY' ENTERED AT 12:34:02 ON 18 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   17 MAY 2005   HIGHEST RN 850605-77-5
DICTIONARY FILE UPDATES:  17 MAY 2005   HIGHEST RN 850605-77-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from  *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s tataac/sqsn
L1       4352620 TATAAC/SQSN

=> s l1 and (glutamat?(s)dehydrogen? or citrat?(s)synth? or
isocitra?(s)dehydrogenas? or pyruva?(s)dehydrogenas? or aconitas?)
           10692 GLUTAMAT?
           56753 DEHYDROGEN?
             641 GLUTAMAT?(S)DEHYDROGEN?
            5173 CITRAT?
          140336 SYNTH?
             651 CITRAT?(S)SYNTH?
             919 ISOCITRA?
           56721 DEHYDROGENAS?
             690 ISOCITRA?(S)DEHYDROGENAS?
            6685 PYRUVA?
           56721 DEHYDROGENAS?
             942 PYRUVA?(S)DEHYDROGENAS?
             128 ACONITAS?
L2             122 L1 AND (GLUTAMAT?(S)DEHYDROGEN? OR CITRAT?(S)SYNTH? OR ISOCITRA?
                   (S)DEHYDROGENAS? OR PYRUVA?(S)DEHYDROGENAS? OR ACONITAS?)

=> s l2 and (corynef? or corynebact? or glutamicum? or brevibac? or anthrobact? or
actinomyc? or bacter?)
              33 CORYNEF?
```

```
        19652 CORYNEBACT?
        12036 GLUTAMICUM?
          664 BREVIBAC?
            1 ANTHROBACT?
         1655 ACTINOMYC?
       107934 BACTER?
L3          3 L2 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICUM? OR BREVIBAC? OR
              ANTHROBACT? OR ACTINOMYC? OR BACTER?)
```

=> d ti 13 1-3
'TI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

```
REG      - RN
SAM      - Index Name, MF, and structure - no RN
FIDE     - All substance data, except sequence data
IDE      - FIDE, but only 50 names
SQIDE    - IDE, plus sequence data
SQIDE3   - Same as SQIDE, but 3-letter amino acid codes are used
SQD      - Protein sequence data, includes RN
SQD3     - Same as SQD, but 3-letter amino acid codes are used
SQN      - Protein sequence name information, includes RN

CALC     - Table of calculated properties
EPROP    - Table of experimental properties
PROP     - EPROP and CALC
```

Any CA File format may be combined with any substance format to
obtain CA references citing the substance. The substance formats
must be cited first. The CA File predefined formats are:

```
ABS   -- Abstract
APPS  -- Application and Priority Information
BIB   -- CA Accession Number, plus Bibliographic Data
CAN   -- CA Accession Number
CBIB  -- CA Accession Number, plus Bibliographic Data (compressed)
IND   -- Index Data
IPC   -- International Patent Classification
PATS  -- PI, SO
STD   -- BIB, IPC, and NCL

IABS  -- ABS, indented, with text labels
IBIB  -- BIB, indented, with text labels
ISTD  -- STD format, indented

OBIB  -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB  -------- BIB, no citations
SIBIB ------- IBIB, no citations
```

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.

For additional information, please consult the following help
messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

L3   ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN   658658-13-0 REGISTRY
ED   Entered STN: 04 Mar 2004
CN   **DNA (symbiont bacterium of Paederus fuscipes putative isocitrate
       dehydrogenase kinase/phosphatase gene plus putative dioxygenase gene plus
       gene pedA plus gene pedB plus gene pedC plus gene pedD plus gene pedE plus
       gene pedF plus gene pedG plus gene pedH plus putative acyl carrier protein
       gene plus putative DNA helicase gene plus protein gene plus putative RNA
       methylase gene plus protein gene plus putative aldehyde dehydrogenase gene
       fragment) (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN   GenBank AY059471 (Secondary GenBank Accession Number)
CN   GenBank AY328023
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   GenBank
LC   STN Files: CA, CAPLUS, GENBANK, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 2 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN   503491-65-4 REGISTRY
ED   Entered STN: 18 Apr 2003
CN   **DNA (synthetic Mycobacterium genitalium-derived glycolysis, pyruvate
       dehydrogenase, and pentose phosphate pathway gene cluster) (9CI)** (CA
       INDEX NAME)
OTHER NAMES:
CN   8: PN: WO03025145 SEQID: 8 claimed DNA
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 3 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN   197201-87-9 REGISTRY
ED   Entered STN: 12 Nov 1997
CN   **DNA (psychrophilic bacterium strain DS2-3R citrate synthase gene plus
       flanks) (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN   GenBank U85944
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   GenBank
LC   STN Files: CA, CAPLUS, GENBANK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

```
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
            1 REFERENCES IN FILE CA (1907 TO DATE)
            1 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> d his

      (FILE 'HOME' ENTERED AT 12:31:43 ON 18 MAY 2005)

      FILE 'REGISTRY' ENTERED AT 12:34:02 ON 18 MAY 2005
L1    4352620 S TATAAC/SQSN
L2        122 S L1 AND (GLUTAMAT?(S)DEHYDROGEN? OR CITRAT?(S)SYNTH? OR ISOCIT
L3          3 S L2 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICUM? OR BREVIBAC? O

=> log h
COST IN U.S. DOLLARS                         SINCE FILE      TOTAL
                                               ENTRY        SESSION
FULL ESTIMATED COST                           110.92        111.76

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:40:03 ON 18 MAY 2005
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